Claims

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		1.	An	actuator	(1),	in	particular	for	an	${\tt assembly}$	of	а
5	motor	vehi	cle	? ,								

having a unit comprising an electric motor (3), a gear (47), and a motor electronics unit (4),

having a housing (9), which comprises a gear housing (12) for the gear (47) and an electronics housing (15) for the motor electronics unit (4),

having a motor housing (6) of the electric motor (3), which housing is connected to the housing (9),

having a shaft (19) of the electric motor (3), which shaft protrudes into the gear housing (12),

20 having a brush holder (41) in the housing (9),

having a printed circuit board (31),

- which is disposed in the electronics housing (15),
- which is connected to an external connection plug (37),
- which is electrically connected to the brush holder (41)
 and to components of the motor electronics unit (4),

characterized in that

the brush holder (41), for installation in the actuator (1), is loosely coupled to the printed circuit board (31).

2. The actuator of claim 1,

characterized in that

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the brush holder (41), after installation in the actuator (1), is secured to the housing (9).

3. The actuator of claim 1 [or 2],

characterized in that

- the brush holder (41) is disposed in the region of the electronics housing (15).
 - 4. The actuator of [one or more of claims 1-3] claim 1,
- 20 characterized in that

the brush holder (41) is loosely coupled to the printed circuit board (31) by detent elements (43).

- 5. The actuator of [one or more of claims 1-4] claim 1, characterized in that
- electrical components (54) are disposed movably on the

 brush holder (41) in a receptacle (72), so that their electrical
 connection lines (51) can be connected electrically to the
 printed circuit board (31) without mechanical stresses, when the

brush holder (41) is mounted in the housing (9).

6. The actuator of claim 1,

5 characterized in that

the gear housing (12) and electronics housing (15) comprise at least one upper part (23, 26) and at least one lower part (24, 27), and

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that at least one lower part (24) of the gear housing (12) and at least one lower part (27) of the electronics housing (15) are integral.

7. The actuator of claim 1 [or 6],

characterized in that

at least one upper part (26) of the electronics housing

(15) is integral with at least one upper part (23) of the gear
housing (12).

- 8. The actuator of claim 1,
- 25 characterized in that

the motor housing (6) and at least one part of the housing (9) are integral.

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9. The actuator of claim 1,

characterized in that

the printed circuit board (31) is fixed to the housing (9) by means of elastic contact-pressure elements (37), which are disposed on the lower part of the housing (24, 27).

- 10. A method for mounting an actuator (1), comprising an electric motor (3) with a motor housing (6) and having a rotor, which has a shaft (19) with a commutator (58), and having a printed circuit board (31), a housing (9), bearings, a brush holder (41) and electrical components (54), in particular of [one or more of claims 1-9] claim 1, having the following method steps:
 - the motor housing (6) of the electric motor (3) is connected to the housing (9), so that part of the shaft (19) with the commutator (58) protrudes into the housing (9);

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- the brush holder (41) is mounted to the printed circuit board (31) having the motor electronics unit (4) and the connection plug (37) by the provision that the detent hooks (43) of the brush holder (41) snap into place on the printed circuit board (31);
- the printed circuit board (31) is introduced into the housing (9);
- the printed circuit board (31) is guided in the housing (9) by means of at least one guide peg (72);
- the brush holder (41) is guided in the housing (9) by means of at least one guide protrusion (74);
 - brushes of the brush holder (41) grip the commutator (58)

- the brush holder (41) is fixed to the housing (9);
- the at least one upper part of the electronics housing (26) and the at least one lower part of the housing (24, 27) are mounted.
 - 11. The method of claim 10,

characterized in that

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after the installation of the printed circuit board (31) in the actuator (1), the detent hooks (43) of the brush holder (41) are released from the printed circuit board (31).